

Date of Approval Letter:

FREEDOM OF INFORMATION SUMMARY

SUPPLEMENTAL NEW ANIMAL DRUG APPLICATION

NADA 008-804

TM-50, TM-SOD, TM-100, and TM-100D Type A Medicated Articles
(oxytetracycline)

“to establish a zero-day pre-slaughter withdrawal period for cattle
administered oxytetracycline at 10 mg/lb body weight per day for
14 days”

Sponsored by:
Phibro Animal Health

NADA 008-804

FOIS 1

1. GENERAL INFORMATION:

- a. File Number: NADA 008-804
- b. Sponsor: Phibro Animal Health
710 Route 46 East
Suite 401
Fairfield, New Jersey 07004

Drug Labeler Code: 066104
- c. Established Name: Oxytetracycline quaternary salt equivalent to oxytetracycline hydrochloride
- d. Proprietary Names: TM-50, TM-SOD, TM-100, and TM-100D
- e. Dosage Form: Type A Medicated Article
- f. How Supplied: 50 lb (22.6 kg) bags
- g. How Dispensed: OTC
- h. Amount of Active Ingredients: TM-50 and TM-SOD: 50 g/lb; TM-100 and TM-100D: 100 g/lb
- i. Route of Administration: Oral, via feed
- j. Species/Class: Chickens, turkeys, swine, cattle, sheep, lobsters, honey bees (on "D" product labeling only)
- k. Recommended Dosage and Indications: Chickens: Increased rate of weight gain and improved feed efficiency – 10-50 g/ton, feed continuously. Control of infectious synovitis caused by *Mycoplasma synoviae*; control of fowl cholera caused by *Pasteurella multocida* susceptible to oxytetracycline – 100-200 g/ton, feed continuously for 7-14 days. Control of chronic respiratory disease (CRD) and air sac infection caused by *Mycoplasma gallisepticum* and *Escherichia coli* susceptible to oxytetracycline – 400 g/ton, feed continuously for 7-14 days. Reduction of mortality due to air sacculitis (air sac infection) caused by *Escherichia coli* susceptible to oxytetracycline – 500 g/ton, feed continuously for 5 days.

Turkeys: For growing turkeys for increased rate of weight gain and improved feed efficiency – 10-50g/ton, feed continuously. Control of hexamitiasis caused by *Hexamita meleagridis* susceptible to oxytetracycline – 100g/ton, feed continuously for 7-14 days. Control of infectious synovitis caused by *Mycoplasma synoviae* susceptible to oxytetracycline – 200 g/ton, feed continuously for 7-14 days. Control of complicating bacterial organisms associated with bluecomb (transmissible enteritis, coronaviral enteritis) susceptible to oxytetracycline – 25 mg/lb of body weight daily, feed continuously for 7-14 days.

Swine: Increased rate of weight gain and improved feed efficiency – 10-50g/ton, feed continuously. Treatment of bacterial enteritis caused by *Escherichia coli* and *Salmonella choleraesuis* susceptible to oxytetracycline and treatment of bacterial pneumonia caused by *Pasteurella multocida* susceptible to oxytetracycline – 10mg/lb of body weight daily, feed continuously for 7-14 days. For breeding swine for control and treatment of Leptospirosis (reducing the incidence of abortion and shedding of leptospirae) caused by *Leptospira pomona* susceptible to oxytetracycline – 10mg/lb of body weight daily, feed continuously for not more than 14 days.

Calves including Preruminating (Veal) Calves, Beef Cattle, and Non-Lactating Dairy Cattle: For calves (up to 250 lb) for increased rate of weight gain and improved feed efficiency – 0.05-0.1 mg/lb of body weight daily, feed continuously. For calves (250-400 lb) for increased rate of weight gain and improved feed efficiency – 25 mg/head/day, feed continuously. For growing cattle (over 400 lb) for increased rate of weight gain, improved feed efficiency, and reduction of liver condemnation due to liver abscesses – 75 mg/head/day, feed continuously. For prevention and treatment of the early stages of shipping fever complex – 0.5 to 2.0 g/head/day, feed 3 to 5 days before and after

arrival in feedlots. Treatment of bacterial enteritis caused by *Escherichia coli* and bacterial pneumonia (shipping fever complex) caused by *Pasteurella multocida* susceptible to oxytetracycline – 10 mg/lb of body weight daily, feed continuously for 7-14 days.

Sheep: Increased rate of weight gain and improved feed efficiency – 10-20 g/ton, feed continuously. Treatment of bacterial enteritis caused by *Escherichia coli* and bacterial pneumonia caused by *Pasteurella multocida* susceptible to oxytetracycline - 10 mg/lb of body weight daily, feed continuously for 7-14 days.

Honey bees: (TM-SOD and TM-100D only): Control of American foulbrood caused by *Bacillus larvae* and European foulbrood caused by *Streptococcus pluton* susceptible to oxytetracycline – 200 mg/colony.

Lobsters: Control of gaffkemia in lobsters caused by *Aerococcus viridans* – 1 g/lb of medicated feed, feed for 5 days as the sole ration.

1. Pharmacological Category:

Antimicrobial

m. Effect of Supplement:

This supplement establishes a zero-day pre-slaughter withdrawal period for cattle administered oxytetracycline at 10 mg/lb/day for 14 days.

2. EFFECTIVENESS:

No further effectiveness data were required for the approval of this supplemental application.

3. ANIMAL SAFETY:

No further target animal safety data were required for the approval of this supplemental application.

4. HUMAN SAFETY:**a. Toxicity:**

No further basic toxicology studies were required for the approval of this supplemental application. However, CVM currently requires the sponsors to submit an assessment concerning the effects of antimicrobial residues present in the edible tissues of food animals on the intestinal flora of the consumer. The assessment submitted by the sponsor to comply with the human food safety requirements for antimicrobial drugs showed that the consumption of oxytetracycline residues present in edible tissues of cattle treated with 10 mg/lb/day for 14 days would not adversely affect the human intestinal flora, even when the complete meal basket is consumed in one day.

b. Safe Concentrations of Total Residues:

As documented in the FOI Summary dated March 28, 1996, for NADA 113-232. The safe concentration for total tetracycline microbiological activity was limited to 1 ppm in the total diet (1.5 mg/person/day) (61 FR 67453), equal to an ADI of 25 micrograms per kilogram of body weight per day.

C Tolerance for the Marker Residue:

Tolerances for oxytetracycline have been codified previously under 21 CFR 556.500 (61 FR 67453, December 23, 1996; 66 FR 46370, September 5, 2001). Tolerances are established for the sum of residues of the tetracyclines in tissues of beef cattle, dairy cattle, calves, swine, sheep, chickens, turkeys, catfish, lobsters, and salmonids as follows: 2 parts per million (ppm) in muscle, 6 ppm in liver, 12 ppm in fat and kidney, and 0.3 ppm in milk.

d. Study Establishing the Withdrawal Period in Cattle:

Phibro Study Number USD 123-016

1. Purpose: A tissue residue study was conducted to quantify the concentration of oxytetracycline activity in edible tissues of cattle after oral administration, in feed, of oxytetracycline at a dose of 11 mg of oxytetracycline hydrochloride activity/lb of body weight (BW) for 14 days.
2. Investigators: Colorado Animal Research Enterprises (CARE), 6200 E. County Rd. 56, Fort Collins, CO 80524
3. Animals: six crossbred beef steers and six heifers
4. Dosage form and dosage: medicated feed at a dose of 11 mg oxytetracycline hydrochloride/lb BW/day for 14 consecutive days.

5. Parameters measured and assay: Oxytetracycline (parent) residues were measured in liver, kidney, muscle, and fat using the regulatory analytical (microbiological) method. LOQ for liver and kidney was 100 ppb; for muscle and fat the LOQ was 75 ppb (microassay).
6. Results: Oxytetracycline concentrations in the edible tissues of treated cattle are summarized in Table 6.1.

Table 6.1: Concentration of oxytetracycline (ppm) in the tissues of cattle treated with oxytetracycline medicated feed at a dose of 11 mg/lb/day and slaughtered at practical zero withdrawal.

Gender	Tissue			
	Kidney	Liver	Muscle	Fat
Heifers	1.818±0.439	0.671±0.175	0.181±0.057	ND*
Steers	1.312±0.704	0.796±0.211	0.197±0.091	ND
Overall	1.247±0.563	0.734±0.196	0.189±0.073	ND

*Residues were not detected in fat.

These data were used to calculate the single point 99th percentile upper tolerance limit (with 95% confidence) for oxytetracycline residues at zero withdrawal for kidney, liver, and muscle. The upper tolerance limit values are summarized in Table 6.2.

Table 6.2: Calculated tissue-specific upper tolerance limits (ppm) for oxytetracycline residues in cattle treated with medicated feed at a dose of 11 mg/lb/day and slaughtered at practical zero withdrawal.

Gender	Tissue		
	Kidney	Liver	Muscle
Heifers	3.40	1.56	0.47
Steers	4.88	1.87	0.66
Overall	3.36	1.47	0.46

The calculated upper tolerance limit value for each tissue is significantly less than the tissue-specific tolerance codified under 21 CFR 556.500. Therefore, it is concluded that the use of the oxytetracycline Type A Medicated Articles in cattle to provide oxytetracycline at doses up to 10 mg/lb body weight/day qualifies for a zero withdrawal.

e. Regulatory Method for Residues:

The regulatory analytical method for detection of residues of the drug is a microbiological test using *Bacillus cereus* var. *mycoides* (ATCC 11778). The method

is as published by the Food and Drug Administration, "Antibiotic Residues in Milk, Dairy Products, and Animal Tissues: Method, Reports, and Protocols," revised October 1968, reprinted December 1974.

f. Microbial Food Safety Assessment:

This NADA supplement establishes a zero-day pre-slaughter withdrawal period for cattle treated with 10mg oxytetracycline/lb body weight per day for 14 days. Because this change to NADA 008-804 does not change the product indication, dose, duration, or other conditions of use beyond the change in withdrawal period, an evaluation of Microbial Food Safety was determined not to be necessary at this time for this supplemental approval to this approved product.

5. AGENCY CONCLUSIONS:

The data submitted in support of this supplemental NADA satisfy the requirements of Section 512 of the Federal Food, Drug, and Cosmetic Act and 21 CFR Part 514 of the implementing regulations. The data demonstrate that TM-50, TM-100, TM-SOD, and TM-100D Type A Medicated Articles are safe at a zero-day pre-slaughter withdrawal period when these products are administered to cattle for 14 days at a level of 10mg/lb body weight/day in feed.

The Center for Veterinary Medicine has concluded that, for this product, adequate directions of use by the layperson have been provided and the product will have over-the-counter (OTC) status. Label directions provide detailed instructions in plain language. The drug product is not a controlled substance. Thus, the NADA retains OTC status, and the labeling is adequate for the intended use.

This approval does not qualify for marketing exclusivity under section 512(c)(2)(F)(iii) of the Federal Food, Drug, and Cosmetic Act.

Under the Center's supplemental policy (21 CFR 514.106(b)(2)), this is a Category II change. The approval of this change required a reevaluation of certain safety data in the parent application.

6. ATTACHMENTS:

Facsimile labeling is attached as indicated below:

- A. TM-50, TM-100, TM-SOD, and TM-100D Type A Medicated Articles
- B. Oxytetracycline Type B and C Blue Bird labels

TM-50[®]

TYPE A

MEDICATED ARTICLE

ACTIVE DRUG INGREDIENT: Oxytetracycline (from oxytetracycline quaternary salt) equivalent to oxytetracycline hydrochloride		50 g/l
CAUTION: For use in manufacturing medicated animal feeds only.		
PRECAUTIONS: Certain components of animal feeds, including medicated premixes, possess properties that may be a potential health hazard or a source of personal discomfort to certain individuals who are susceptible to human respiratory distress, therefore, be minimized by observing the general industry standards for occupational health and safety.		
PRECAUTIONS: Such as the following should be considered: dust, noise or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; wash before eating or having a work shift; alert for signs of allergic reactions—seek prompt medical treatment if such reactions are suspected.		
STORE IN A DRY, COOL PLACE		
SEE BACK PANEL FOR COMPLETE MIXING AND USE DIRECTIONS		
TM-50 is a Phibro Animal Health registered trademark of Phibro Animal Health, Inc., Easton, PA 17524		
Net Weight 50 lb (22.6 kg)		
MADE IN U.S.A., Approved by FDA		
101-0001-02		
Phibro		
ANIMAL HEALTH		

TM-50[®]

Type A Medicated Article

TM-5

TYPE A

MEDICATED ARTICLE

Active Drug Ingredient:
Oxytetracycline (from oxytetracycline quaternary salt) equivalent to oxytetracycline hydrochloride

50 g/l

CAUTION: For use in manufacturing medicated animal feeds only.

PRECAUTIONS: Certain components of animal feeds, including medicated premixes, possess properties that may be a potential health hazard or a source of personal discomfort to certain individuals who are susceptible to human respiratory distress, therefore, be minimized by observing the general industry standards for occupational health and safety.

PRECAUTIONS: Such as the following should be considered: dust, noise or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; wash before eating or having a work shift; alert for signs of allergic reactions—seek prompt medical treatment if such reactions are suspected.

STORE IN A DRY, COOL PLACE

SEE BACK PANEL FOR COMPLETE MIXING AND USE DIRECTIONS

TM-50 is a Phibro Animal Health registered trademark of Phibro Animal Health, Inc., Easton, PA 17524

Net Weight 50 lb (22.6 kg)

MADE IN U.S.A., Approved by FDA

101-0001-02

Phibro

ANIMAL HEALTH

TM-50[®]

TYPE A MEDICATED ARTICLE

Active Drug Ingredient:

Oxytetracycline (from oxytetracycline quaternary salt)

equivalent to oxytetracycline hydrochloride 50 g/lb

CAUTION: For use in manufacturing medicated animal feeds only.

CAUTION: Certain components of animal feeds, including medicated premixes, possess properties that may be a potential health hazard or a source of personal discomfort to certain individuals who are exposed to them. Human exposure should, therefore, be minimized by observing the general industry standards for occupational health and safety.

Precautions such as the following should be considered: dust masks or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; wash before eating or leaving a work site; be alert for signs of allergic reactions—seek prompt medical treatment if such reactions are suspected.

STORE IN A DRY, COOL PLACE

SEE BACK PANEL FOR COMPLETE MIXING AND USE DIRECTIONS

TM-50 is a Phibro Animal Health registered trademark for Oxytetracycline HCl
Phibro Animal Health, Inc., Fairfield, NJ 07004

Net Weight 50 lb (22.6 kg)


NADA #8-804, Approved by FDA

101-9001-02


Distributed by

Phibro
ANIMAL HEALTH

TYPE A
[MEDICATED ART CLE



KEEP TIME



OBSERVE LABEL DIRECTIONS

MIXING
Thoroughly mix the amount of this premix indicated by weight of feed formula with the complete feed.

Indicate
for Use

CHICKENS

Increased weight gain and improved feed efficiency

Control of fowl cholera caused by *Pasteurella multocida* susceptible to oxytetracycline

Control of *Mycoplasma* respiratory disease (CRD) and airsac infection caused by *Mycoplasma* and *Escherichia coli* susceptible to oxytetracycline

Reduction of mortality due to airsacculitis (airsac infection) caused by *Escherichia coli* susceptible to oxytetracycline

WARNING: At 500 g/ton use for 14 days before slaughter. Zero-day withdrawal period for lower use levels. In low producing eggs for human consumption.

TURKEYS

for growing chicks for increased rate of weight gain and improved feed efficiency

Control of typhlocolitis caused by *Maxamella eleagris* susceptible to oxytetracycline

Control of *Mycoplasma* synovitis caused by *Mycoplasma synoviae* susceptible to oxytetracycline

Control of cecal bacillary enteritis, cecal acid enteritis associated with bluecomb disease susceptible to oxytetracycline

WARNING: At 200 g/ton use for 14 days before slaughter. Zero-day withdrawal period for lower use levels. In low producing eggs for human consumption.

SWINE

Treatment of bacterial enteritis caused by *Escherichia coli* and bacterial pneumonia (shipping fever complex) caused by *Pasteurella multocida* susceptible to oxytetracycline

Treatment of bacterial enteritis caused by *Escherichia coli* and bacterial pneumonia caused by *Pasteurella multocida* susceptible to oxytetracycline

WARNING: 5-day withdrawal before slaughter at 10 mg/lb dosage.

LOBSTERS

Control of gaffers in lobsters caused by *Aeromonas viridans*

WARNING: Withdraw from feed 30 days before harvesting lobsters.

	Oxytetracycline Amount	lb of TM-50/ton
Increased weight gain and improved feed efficiency	10-50 g/ton Feed continuously	0.2-1.0
Control of fowl cholera caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	100-200 g/ton Feed continuously for 7-14 days	2-4
Control of <i>Mycoplasma</i> respiratory disease (CRD) and airsac infection caused by <i>Mycoplasma</i> and <i>Escherichia coli</i> susceptible to oxytetracycline	400 g/ton Feed continuously for 7-14 days	8
Reduction of mortality due to airsacculitis (airsac infection) caused by <i>Escherichia coli</i> susceptible to oxytetracycline	500 g/ton Feed continuously for 5 days	10
for growing chicks for increased rate of weight gain and improved feed efficiency	10-50 g/ton Feed continuously	0.2-1.0
Control of typhlocolitis caused by <i>Maxamella eleagris</i> susceptible to oxytetracycline	100 g/ton Feed continuously for 7-14 days	2
Control of <i>Mycoplasma</i> synovitis caused by <i>Mycoplasma synoviae</i> susceptible to oxytetracycline	200 g/ton Feed continuously for 7-14 days	4
Control of cecal bacillary enteritis, cecal acid enteritis associated with bluecomb disease susceptible to oxytetracycline	25 mg/lb of body weight daily Feed continuously for 7-14 days	16.7

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TM-50[®]D
TYPE A
MEDICATED ARTICLE

Active Drug Ingredient:
Oxytetracycline (from oxytetracycline quaternary salt) equivalent to
oxytetracycline hydrochloride 50 g/lb

CAUTION: For use in manufacturing medicated animal feeds only

CARCINOGENS: Certain components of animal feeds, including medicated premixes, possess carcinogenic properties. These include aflatoxins, aflatoxin M₁, fumonisin, ochratoxin A, and certain lipids. They are potential health hazard or a source of personal discomfort to those who handle them. The general industry standards for occupational health and safety, promulgated by observing the general industry standards for occupational health and safety, minimize by observing the general industry standards for occupational health and safety.

Precautions such as the following must be considered: dust masks or respirators and eye protection should be worn; dust-arresting equipment and adequate ventilation should be used; workers should avoid eating, drinking, smoking, or chewing gum while working; workers should be alert for signs of allergic reactions—seek prompt medical attention if such reactions are suspected.

**STORE IN A DRY, COOL PLACE
SEE BACK PANEL FOR COMPLETE MIXING AND
USE DIRECTIONS AND WARNINGS**

Palmer Animal Health, Inc., Fairfield, NJ 07004

Net Weight 50 lb (22.6 kg)

**NADA 68-804, Approved by FDA
7910000
101-8003-02**

Phibro
ANIMAL HEALTH

TM-0

TM-50[®]D

[illegible]

TM-50[®] D

TYPE A MEDICATED ARTICLE

Active Drug Ingredient:

Oxytetracycline (from oxytetracycline quaternary salt) equivalent to
oxytetracycline hydrochloride **50 g/lb**

CAUTION: **For** use in manufacturing medicated animal feeds only.

CAUTION: Certain components of animal feeds, including medicated premixes, **possess** properties that may be a potential health hazard **or** a source of personal discomfort to certain individuals who are exposed to them. Human exposure should, therefore, be minimized by observing the general industry standards for occupational health and safety.

Precautions such as the following should be considered: dust masks or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; wash before eating **or** leaving a **work** site; be alert for signs of allergic reactions—seek prompt medical treatment if such reactions are suspected.

STORE IN A DRY, COOL PLACE

**SEE BACK PANEL FOR COMPLETE MIXING AND
USE DIRECTIONS AND WARNINGS**

TM-50 is a Phibro Animal Health registered trademark for Oxytetracycline HCl
Phibro Animal Health, Inc., Fairfield, NJ 07004

Net Weight 50 lb (22.6 kg)

NADA #8-804, Approved by FDA
7919000
101-9003-02

Phibro
ANIMAL HEALTH

TM-50[®]D



Mixing and Use Directions

Thoroughly mix the amount of this premix according to the directions below with at least an equal amount by weight of feed formula ingredients prior to blending into a complete feed.

Indications for Use	Oxytetracycline Amount	lb of TM-50D/ton
CHICKENS		
Increased rate of weight gain and improved feed efficiency	10-50 g/ton Feed continuously	0.2-1.0
Control of infectious synovitis caused by <i>Mycoplasma synoviae</i> ; control of fowl cholera caused by <i>Vibrio cholerae</i> susceptible to oxytetracycline	100-200 g/ton Feed continuously for 7-14 days	2-4
Control of chronic respiratory disease (CRD) and air sac infection caused by <i>Mycoplasma gallisepticum</i> and <i>Escherichia coli</i> susceptible to oxytetracycline	400 g/ton Feed continuously for 7-14 days	8
Reduction of mortality due to air sacculitis (air sac infection) caused by <i>Escherichia coli</i> susceptible to oxytetracycline	500 g/ton Feed continuously for 5 days	10
⚠ WARNING: At 500 g/ton level, withdraw 24 hours before slaughter. Zero-day withdrawal period for lower use levels. In low calcium feeds withdraw 3 days before slaughter. Do not administer to chickens producing eggs for human consumption. ⚠		
TURKEYS		
For growing turkeys for increased rate of weight gain and improved feed efficiency	10-50 g/ton Feed continuously	0.2-1.0
Control of hematitis caused by <i>Haemafysalis meleagridis</i> susceptible to oxytetracycline	100 g/ton Feed continuously for 7-14 days	2
Control of infectious synovitis caused by <i>Mycoplasma synoviae</i> susceptible to oxytetracycline	200 g/ton Feed continuously for 7-14 days	1
Control of complicating bacterial organisms associated with bluecomb (transmissible enteritis, coronal enteritis) susceptible to oxytetracycline	25 mg/lb of body weight daily Feed continuously for 7-14 days	16.1 ¹
⚠ WARNING: At 200 g/ton use level or higher, withdraw 3 days before slaughter. Zero-day withdrawal period for lower use levels. Do not administer to turkeys producing eggs for human consumption. ⚠		
SWINE		
Increased rate of weight gain and improved feed efficiency	10-50 g/ton Feed continuously	0.2-1.0
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and <i>Salmonella choleraesuis</i> susceptible to oxytetracycline and treatment of bacterial pneumonia caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	10 ²
For breeding sows for control and treatment of leptospirosis (reducing the incidence of abortion and shedding of leptospires) caused by <i>Leptospira pomone</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for not more than 14 days	10 ²
CALVES including pre-ruminating (veal) calves, BEEF CATTLE, AND NONLACTATING DAIRY CATTLE		
For calves (up to 250 lb) for increased rate of weight gain and improved feed efficiency	0.05-0.1 mg/lb of body weight daily Feed continuously	0.1-0.2 ³
For calves (250-400 lb) for increased rate of weight gain and improved feed efficiency	25 mg/head/day Feed continuously	0.5 ⁴
For growing cattle (over 400 lb) for increased rate of weight gain, improved feed efficiency, and reduction of liver condemnation due to liver abscesses	75 mg/head/day Feed continuously	15 ⁴
Prevention and treatment of the early stages of shipping fever complex (Feed 3-5 days before and after arrival in feedlots)	0.5-2.0 g/head/day	10-40 ⁴
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and bacterial pneumonia (shipping fever complex) caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 1-14 days	100 ⁴
⚠ WARNING: When used in milk replacers, the treatment claim (10 mg/lb) is limited to bacterial enteritis caused by <i>Escherichia coli</i> only. ⚠		
SHEEP		
Increased rate of weight gain and improved feed efficiency	10-20 g/ton Feed continuously	0.2-0.4
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and bacterial pneumonia caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	24 ⁴
⚠ WARNING: 5-day withdrawal before slaughter at 10 mg/lb dosage. ⚠		
HONEY BEES		
Control of American foulbrood caused by <i>Bacillus larvae</i> , and European foulbrood caused by <i>Sitotrogonia pluton</i> susceptible to oxytetracycline	200 mg/colony	See Mixing Directions below
⚠ WARNING: Remove at least 6 weeks prior to main honey flow. ⚠		
LOBSTERS		
Control of gillkemia in lobsters caused by <i>Aeromonas hydrophila</i>	1 g/lb of medicated feed Feed for 5 days on the isolation	40
⚠ WARNING: Withdraw from feed 30 days before harvesting lobsters. ⚠		
¹ If bird weighs 10 lb, consuming 0.5 lb of complete feed per day	⁴ Include in feed supplement based on consumption of 2 lb of supplement per head per day	
² If pig weighs 100 lb, consuming 4 lb of complete feed per day	⁴ If animal weighs 500 lb, consuming 2 lb of supplement per head per day	
³ If calf weighs 100 lb, consuming 2 lb of complete starter feed per day	⁴ If lamb weighs 50 lb, consuming 1 lb of supplement per head per day	
FOR USE IN DRY FEEDS ONLY. NOT FOR USE IN LIQUID FEED SUPPLEMENTS.		
Mixing and Use Directions for Honey Bees		
Due to the high drug concentration of this product, an intermediate mixture must be prepared for use with honey. To prepare this intermediate mixture add 7 lb of TM-50D to 100 lb of powdered sugar and mix well. This mixture contains approximately 200 mg of oxytetracycline hydrochloride activity per oz.		
Dusting Directions: Apply 1 oz (200 mg oxytetracycline) of this mixture per colony. Apply the dust on the outer parts or ends of the frames.		
Syrup Directions: Use 1 oz (200 mg oxytetracycline) of this mixture per 6 lb jar containing 1:1 sugar syrup (equal parts sugar and water w/w) per colony. Dissolve in a small quantity of water before adding to syrup. Bulk feed the syrup using leader pails or division board feeders or by filling the combs.		
Administer in 3 applications of sugar syrup or 3 dustings at 4- to 5-day intervals. The drug should be fed in the spring or fall and consumed by the bees before main honey flow begins to avoid contamination of production honey.		
Extender Patty Directions: Use 4 oz (800 mg oxytetracycline) of this mixture mixed with 165 g of vegetable shortening (Crisco® or equivalent) and 330 g of sugar. The patties are placed on the top bars of the brood nest frames.		
⚠ WARNING: This mixture should be fed in the spring or fall and consumed by the bees before main honey flow begins to avoid contamination of production honey. Honey stored during medication periods in combs for surplus honey should be removed following final medication of the bee colony and must not be used for human food. Honey from bee colonies likely to be infected with foulbrood should not be used for preparations of medicated syrup supplements since it may be contaminated with spores of foulbrood and may result in spreading the disease. Remove at least 6 weeks before main honey flow. Do not use in a manner contrary to state apiculture laws and regulations. Each state has specific regulations relative to disease control and medications. Contact the appropriate official or state departments of agriculture for specific inter- and intrastate laws and regulations. ⚠		

Crisco® is a trademark of Procter & Gamble, Cincinnati, OH 45202

101-9003-02

TM-100®

TYPE A MEDICATED ARTICLE

Active Drug Ingredient:

Oxytetracycline (from oxytetracycline quaternary salt)
equivalent to oxytetracycline hydrochloride 100 g/lb

CAUTION: For use in manufacturing medicated animal feeds only.

CAUTION: Certain components of animal feeds, including medicated premixes, possess properties that may be a potential health hazard or a source of personal discomfort to certain individuals who are exposed to them. Human exposure should, therefore, be minimized by observing the general industry standards for occupational health and safety.

Precautions such as the following should be considered: dust masks or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; wash before eating or leaving a work site; be alert for signs of allergic reactions—seek prompt medical treatment if such reactions are suspected.

STORE IN A DRY, COOL PLACE

SEE BACK PANEL FOR COMPLETE MIXING AND USE DIRECTIONS

TM-100 is a Phibro Animal Health registered trademark for Oxytetracycline HCl
Phibro Animal Health, Inc., Fairfield, NJ 07004

Net Weight 50 lb (22.6 kg)

NADA #8-804, Approved by FDA

101-9002-02

Distributed by

TM-100®

TYPE A MEDICATED ARTICLE

MIXING AND USE DIRECTIONS		TAKE TIME	OBSERVE LABEL DIRECTIONS
Thoroughly mix the amount of this premix according to the directions below with at least an equal amount of feed.			
Indications for Use	Oxytetracycline Amount	lb of TM-100/ton	
CHICKENS			
Increased rate of weight gain and improved feed efficiency	10-50 g/ton Feed continuously	1.1-0.5	
Control of infectious yolk sac disease caused by <i>Yersinia enterocolitica</i> and control of cholera caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	100-200 g/ton Feed continuously for 7-14 days	1-2	
Control of chronic respiratory disease (CRD) and airsac infection caused by <i>Mycoplasma gallisepticum</i> and <i>Escherichia coli</i> susceptible to oxytetracycline	400 g/ton Feed continuously for 7-14 days	4	
Reduction of mortality due to airsacculitis (airsac infection) caused by <i>Escherichia coli</i> susceptible to oxytetracycline	500 g/ton Feed continuously for 5 days	5	
At 5 mg/lb, withdraw 24 hours before slaughter. Do not administer to chickens producing eggs for human consumption.			
TURKEY			
For growing turkeys for increased rate of weight gain and improved feed efficiency	50 g/ton Feed continuously	0.1-0.5	
Control of yolk sac disease caused by <i>Hexamita meleagridis</i> susceptible to oxytetracycline	100 g/ton Feed continuously for 7-14 days	1	
Control of infectious synovitis caused by <i>Mycoplasma synoviae</i> susceptible to oxytetracycline	200 g/ton Feed continuously for 7-14 days	2	
Control of complicating bacterial organisms associated with bluecomb (transmissible enteritis, coronavirus enteritis) susceptible to oxytetracycline	25 mg/lb of body weight daily Feed continuously for 7-14 days	6-3*	
WARNING: At 200 g/ton use level or higher, withdraw 5 days before slaughter. Zero-day withdrawal period for lower use levels. Do not administer to turkeys producing eggs for human consumption.			
SWINE			
Increased rate of weight gain and improved feed efficiency	10-50 g/ton Feed continuously	0.1-0.5	
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and <i>Salmonella choleraesuis</i> susceptible to oxytetracycline and treatment of bacterial pneumonia caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	1*	
For breeding swine for control and treatment of Leptospirosis (reducing the incidence of abortion and shedding of leptospirae) caused by <i>Leptospira pomonasus</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for not more than 14 days	1*	
CALVES INCLUDING PRE-RUMINATING (VEAL) CALVES, BEEF CATTLE, AND NONLACTATING DAIRY CATTLE			
For calves (up to 250 lb) for increased rate of weight gain and improved feed efficiency	0.05-0.1 mg/lb of body weight daily Feed continuously	0.05-0.1*	
For calves (250-400 lb) for increased rate of weight gain and improved feed efficiency	25 mg/head/day Feed continuously	0.25*	
For growing cattle (over 400 lb) for increased rate of weight gain, improved feed efficiency, and reduction of liver condemnation due to liver abscesses	75 mg/head/day Feed continuously	0.75*	
Prevention and treatment of the early stages of shipping fever complex (feed 3-5 days before and after arrival in feedlots)	0.5-2.0 g/head/day	5-20*	
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and bacterial pneumonia (shipping fever complex) caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	50	
WARNING: When used in milk replacers, the treatment claim (10 mg/lb) is limited to bacterial enteritis caused by <i>Escherichia coli</i> only.			
SHEEP			
Increased rate of weight gain and improved feed efficiency	10-20 g/ton Feed continuously	0.1-0.2	
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and bacterial pneumonia caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	12*	
WARNING: 5-day withdrawal before slaughter at 10 mg/lb dosage.			
LOBSTERS			
Control of gaffkemia in lobsters caused by <i>Aerococcus viridans</i>	1 g/lb of medicated feed Feed for 5 days as the sole ration	20	
WARNING: Withdraw from feed 30 days before harvesting lobsters.			
*If bird weighs 10 lb, consuming 0.6 lb of complete feed per day *If pig weighs 100 lb, consuming 4 lb of complete feed per day *If calf weighs 100 lb, consuming 2 lb of complete starter feed per day *Include in feed supplement based on consumption of 2 lb of supplement per head per day *If animal weighs 500 lb, consuming 2 lb of supplement per head per day *If lamb weighs 60 lb, consuming 1 lb of supplement per head per day			
101-9002-02 FOR USE IN DRY FEEDS ONLY. NOT FOR USE IN LIQUID FEED SUPPLEMENTS.			

Type A Medicated Article

TM-100D®

Phibro
ANIMAL HEALTH



PULL THROUGH TIME

TM-100[®]D

TYPE A MEDICATED ARTICLE

Active Drug Ingredient:	
Oxytetracycline (from oxytetracycline quaternary salt) equivalent to oxytetracycline hydrochloride	100 g/lb

CAUTION: For use in manufacturing medicated animal feeds only.

CAUTION: Carcinogenicity of animal foods, including industrial premixes, passes properties that may be a potential health hazard for a subset of personal characteristics in certain individuals who are exposed to them. Human exposure alone, therefore, be minimized by observing the general industry standards for occupational health and safety.

Precautions such as the following should be considered: don masks or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personnel hygiene should be observed; wash before eating or leaving a work area; don't let signs of allergic reactions—such as prompt medical treatment if such reactions are suspected.

STORE IN A DRY, COOL PLACE

SEE BACK PANEL FOR COMPLETE MIXING AND USE DIRECTIONS AND WARNINGS

TM-100 is a Pubere Animal Health registered trademark for Erythrasyn® MC.
Pubere Animal Health, Inc., Fairfield, NJ 07004

Net Weight 50 lb (22.6 kg)

NADA 281-804, Approved by FDA

101-0004-02

Phiberg
ANIMAL HEALTH

PM

Type I Medical Antineoplastic® IM-100

(01) 1 03 66104 79210 2

TM-100[®]D

UNITED STATES DEPARTMENT OF JUSTICE FEDERAL BUREAU OF INVESTIGATION		Form No. 104 (Rev. 1-25-60)	
1. Name of Subject		2. Date of Report	
3. Title of Report		4. Date of Information	
5. Name of Informant		6. Name of Agent in Charge	
7. Name of Special Agent in Charge		8. Name of Agent	
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Phibro
ANIMAL HEALTH

TM-100® D

TYPE A MEDICATED ARTICLE

Active Drug **Ingredient:**

Oxytetracycline (from oxytetracycline quaternary salt) equivalent to
oxytetracycline hydrochloride 100 g/lb

CAUTION: For use in manufacturing medicated animal feeds only.

CAUTION: Certain components of animal feeds, including medicated premixes, possess properties that may be a potential health hazard or a source of personal discomfort to certain individuals who are exposed to them. Human exposure should, therefore, be minimized by observing the general industry standards for occupational health and safety.

Precautions such as the following should be considered: dust masks or respirators and protective clothing should be worn; dust-arresting equipment and adequate ventilation should be utilized; personal hygiene should be observed; wash before eating or leaving a work site; be alert for signs of allergic reactions—seek prompt medical treatment if such reactions are suspected.

STORE IN A DRY, COOL PLACE

**SEE BACK PANEL FOR COMPLETE MIXING AND
USE DIRECTIONS AND WARNINGS**

TM-100 is a Phibro Animal Health registered trademark for Oxytetracycline HCl
Phibro Animal Health, Inc., Fairfield, NJ 07004

Net Weight 50 lb (22.6 kg)

NADA #8-804, Approved by FDA
7921000
101-9004-02

TM-100 D



Mixing and Use Directions

Thoroughly mix the amount of this premix according to the directions below with at least an equal amount by weight of feed formula ingredients prior to blending into a complete feed.

Indications for Use	Oxytetracycline Amount	lb of TM-100D/ton
CHICKENS		
Increased rate of weight gain and improved feed efficiency	10-50 g/ton Feed continuously	0.1-0.5
Control of infectious synovitis caused by <i>Mycoplasma synoviae</i> ; control of fowl cholera caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	100-200 g/ton Feed continuously for 7-14 days	1-2
Control of chronic respiratory disease (CRD) and air sac infection caused by <i>Mycoplasma gallisepticum</i> and <i>Escherichia coli</i> susceptible to oxytetracycline	400 pillon Feed continuously for 7-14 days	4
Reduction of mortality due to air sacculitis (air sac infection) caused by <i>Escherichia coli</i> susceptible to oxytetracycline	500 pillon Feed continuously for 5 days	5
⚠ WARNING: At 500 g/ton level, withdraw 24 hours before slaughter. Zero-day withdrawal period for lower use levels. In low calcium feeds withdraw 3 days before slaughter. Do not administer to chickens producing eggs for human consumption.		
TURKEYS		
For growing turkeys for increased rate of weight gain and improved feed efficiency	10-50 g/ton Feed continuously	0.1-0.5
Control of hexamitiasis caused by <i>Hexamita meleagridis</i> susceptible to oxytetracycline	100 g/ton Feed continuously for 7-14 days	1
Control of infectious synovitis caused by <i>Mycoplasma synoviae</i> susceptible to oxytetracycline	200 pillon Feed continuously for 7-14 days	2
Control of complicating bacterial organisms associated with bluecomb (transmissible enteritis, coronavirus enteritis) susceptible to oxytetracycline	26 mg/lb of body weight daily Feed continuously for 7-14 days	83'
⚠ WARNING: At 200 g/ton use level or higher, withdraw 5 days before slaughter. Zero-day withdrawal period for lower use levels. Do not administer in turkeys producing eggs for human consumption.		
SWINE		
Increased rate of weight gain and improved feed efficiency	10-50 pillon Feed continuously	0.1-0.5
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and <i>Salmonella choleraesuis</i> susceptible to oxytetracycline and treatment of bacterial pneumonia caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	5'
For breeding swine for control and treatment of Leptospirosis (reducing the incidence of abortion and shedding of leptospirae) caused by <i>Leptospira pomona</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for not more than 14 days	5'
CALVES including pre-ruminating (veal) calves, BEEF CATTLE, AND NONLACTATING DAIRY CATTLE		
For calves (up to 250 lb) for increased rate of weight gain and improved feed efficiency	0.05-0.1 mg/lb of body weight daily Feed continuously	0.05-0.1'
For calves (250-400 lb) for increased rate of weight gain and improved feed efficiency	25 mg/head/day Feed continuously	0.25'
For growing cattle (over 400 lb) for increased rate of weight gain, improved feed efficiency, and reduction of liver condemnation due to liver abscesses	75 mg/head/day Feed continuously	0.75'
Prevention and treatment of the early stages of shipping fever complex (Feed 35 days before and after arrival in feedlots)	0.5-2.0 g/head/day	5-20'
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and bacterial pneumonia (shipping fever complex) caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	50'
⚠ WARNING: When used in milk replacers, the treatment claim (10 mg/lb) is limited to bacterial enteritis caused by <i>Escherichia coli</i> only.		
SHEEP		
Increased rate of weight gain and improved feed efficiency	10-20 pillon Feed continuously	0.1-0.2
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and bacterial pneumonia caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	12'
⚠ WARNING: 5-day withdrawal before slaughter at 10 mg/lb dosage.		
HONEY BEES		
Control of American Foulbrood caused by <i>Bacillus larvae</i> , and European Foulbrood caused by <i>Cratichneumon glaucus</i> susceptible to oxytetracycline	200 mg/colony	See Mixing Directions below
⚠ WARNING: Remove at least 6 weeks prior to main honey flow.		
LOBSTERS		
Control of gillhemiasis in lobsters caused by <i>Aerococcus viridans</i>	1 g/lb of medicated feed Feed for 5 days as the sole ration	20
⚠ WARNING: Withdraw from feed 30 days before harvesting lobsters.		
*If bird weighs 10 lb, consuming 0.8 lb of complete feed per day *If pig weighs 100 lb, consuming 4 lb of complete feed per day *If calf weighs 100 lb, consuming 2 lb of complete starter feed per day		
*Include in feed supplement based on consumption of 2 lb of supplement per head per day *If animal weighs 500 lb, consuming 2 lb of supplement per head per day *If lamb weighs 60 lb, consuming 1 lb of supplement per head per day		
FOR USE IN DRY FEEDS ONLY. NOT FOR USE IN LIQUID FEED SUPPLEMENTS.		
Mixing and Use Directions for Honey Bees		
Due to the high drug concentration of this product, an intermediate mixture must be prepared for use with bees. To prepare this intermediate mixture add 7 lb of TM-100D to 200 lb of powdered sugar and mix well. This mixture contains approximately 200 mg of oxytetracycline hydrochloride activity per oz.		
Dusting Directions: Use 1 oz (200 mg oxytetracycline) of this mixture per colony. Apply the dust on the outer parts or ends of the trimer.		
Syrup Directions: Use 1 oz (200 mg oxytetracycline) of this mixture per 5 lb jar containing 1:1 sugar syrup (equal parts sugar and water w/w) per colony. Dissolve in a small quantity of water before adding to syrup. Bulk feed the syrup using feeder pails or division board feeders or by filling the combs.		
Administer in 3 applications of sugar syrup or 3 dustings at 4- to 5-day intervals. The drug should be fed in the spring or fall and consumed by the bees before main honey flow begins to avoid contamination of production honey.		
Extender Patty Directions: Use 4 oz (800 mg oxytetracycline) of this mixture mixed with 165 g of vegetable shortening (Crisco® or equivalent) and 330 g of sugar. The patties are placed on the top bars of the brood nest frames.		
⚠ WARNING: This mixture should be fed in the spring or fall and consumed by the bees before main honey flow begins to avoid contamination of production honey. Honey stored during medication periods in combs for surplus honey should be removed following final medication of the bee colony and must not be used for human food. Honey from bee colonies likely to be infected with foulbrood should not be used for preparation of medicated syrup supplements since it may be contaminated with spores of foulbrood and may result in spreading the disease. Remove at least 6 weeks before main honey flow. Do not use in a manner contrary to state apitary laws and regulations. Each state has specific regulations relative to disease control and medications. Contact the appropriate official or state departments of agriculture for specific inter- and intrastate laws and regulations.		

Crisco® is a trademark of Procter & Gamble, Cincinnati, OH 45202

OXYTETRACYCLINE
TYPE B
BAG OR BULK

BLUE BIRD
CATTLE FEED
MEDICATED

ACTIVE DRUG INGREDIENT

Oxytetracycline 20 g/lb

INDICATIONS FOR USE	OXYTETRACYCLINE AMOUNT	lb of Type B/ton of Feed
For calves (up to 250 lb) for increased rate of weight gain and improved feed efficiency	0.05-0.1 mg/lb of body weight daily Feed continuously	0.25-0.5'
For calves (250-400 lb) for increased rate of weight gain and improved feed efficiency	25 mg/head/day Feed continuously	1.25 ²
For growing cattle (over 400 lb) for increased rate of weight gain, improved feed efficiency, and reduction of liver condemnation due to liver abscesses	75 mg/head/day Feed continuously	3.75 ²
Prevention and treatment of the early stages of shipping fever complex	0.5-2.0 g/head/day Feed 3-5 days before and after arrival in feed lots	25-100 ²
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and bacterial pneumonia (shipping fever complex) caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily Feed continuously for 7-14 days	250 ³

GUARANTEED ANALYSIS

Crude Protein (Min)	Y _o
Equivalent crude protein from Non-Protein Nitrogen (NPN) when added (max)	%
Crude Fat (Min)	Y _o
Crude Fiber (Max)	Y _o
Calcium (Min)	%
Calcium (Max)	%
Phosphorus (Min)	%
Salt (Min)	Y _o
Salt (Max)	Y _o
Selenium (Min)	ppm
Potassium (Min)	%
Vitamin A (Min)	IU

INGREDIENTS

Ingredients as defined by AAFCO

WARNING: WHEN USED IN MILK REPLACERS, THE TREATMENT CLAIM (10 MG/LB) IS LIMITED TO BACTERIAL ENTERITIS CAUSED BY *ESCHERICHIA COLI* ONLY.

____lb k g) **NET WEIGHT**

BLUE BIRD FEED MILL
Robin, IN 00000

OXYTETRACYCLINE
TYPE C
BAG OR BULK

BLUE BIRD
CATTLE FEED
MEDICATED

ACTIVE DRUG INGREDIENT

Oxytetracycline..... .5 to 5000 g/ton

INDICATIONS FOR USE	OXYTETRACYCLINE AMOUNT
For calves (up to 250 lb) for increased rate of weight gain and improved feed efficiency	0.05-0.1 mg/lb of body weight daily' Feed continuously
For calves (250-400 lb) for increased rate of weight gain and improved feed efficiency	25 mg/head/day ² Feed continuously
For growing cattle (over 400 lb) for increased rate of weight gain, improved feed efficiency, and reduction of liver condemnation due to liver abscesses	75 mg/head/day ³ Feed continuously
Prevention and treatment of the early stages of shipping fever complex	0.5-2.0 g/head/day ⁴ Feed 3-5 days before and after arrival in feed lots
Treatment of bacterial enteritis caused by <i>Escherichia coli</i> and bacterial pneumonia (shipping fever complex) caused by <i>Pasteurella multocida</i> susceptible to oxytetracycline	10 mg/lb of body weight daily ⁵ Feed continuously for 7-14 days

¹If a calf weighs 100 lb, consuming **2** lb of complete starter feed **per** day containing 5-10 g/ton oxytetracycline.

²Include in feed supplement containing 25 g/ton oxytetracycline based on consumption of **2** lb of supplement per head **per** day

³If a calf weighs 500 lb, consuming 2 lb supplement per head per day containing 75 g/ton oxytetracycline.

⁴Include in a supplement based on consumption of 2 lbs of supplement **per** head **per** day containing 500-2000 g/ton oxytetracycline.

⁵If a calf weighs 500 lbs, consuming 2 lbs of supplement **per** head day containing 5000 g/ton oxytetracycline

GUARANTEED ANALYSIS

Crude Protein (Min) **Y**_o
 Equivalent crude protein from Non-Protein Nitrogen (NPN) when added (max)..... **Y**_o
 Crude Fat (Min) **Y**_o
 Crude Fiber (Max) %
 Calcium (Min) %
 Calcium (Max)..... **Y**_o
 Phosphorus (Min) **Y**_o
 Salt (Min)..... **Y**_o
 Salt (Max) %
 Selenium (Min)..... ppm
 Potassium (Min) %
 Vitamin **A** (Min)..... **IU**

INGREDIENTS

Ingredients as defined by **AAFCO**

WARNING: WHEN USED IN MILK REPLACERS, THE TREATMENT CLAIM (10 MG/LB) IS LIMITED TO BACTERIAL ENTERITIS CAUSED BY *ESCHERICHIA COLI* ONLY.

_____ lbs (_____ kg) NET WEIGHT

BLUE BIRD FEED MILL
Robin, IN 00000